	r ID 72930 t 18, 2011 10:06:34 AM	•								Page 1
Revision ID: tem Name: Start Date: 8	D3349-3 Spacer Bushing 8/18/2011 Start Qty:	1 (		Cust Iten	n ID:		s	Setup Star Stop		
Required Date: 8	8/22/2011 Req'd Qty: Process Plan:			Custome		-	, F	Run Star	t III	
	QC:				Date: Date:			Stop		
Sequence ID/ Work Center ID	Operation Description	-	Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
Draw Nbr	Revision Nbr									
D3349	Rev A									
00 Hardinge Hardinge CNC Lathe	Me	LATHE SMALL  emo  irn as per Folio FA507 and Dwg	0.00 0.00 D3349	/18	· ·		10	Ø		
10 QC Quality Control		earts off machine FAI/FAIB	0.00				10	b		
20 QC Quality Control		arts - second check emo	0.00	> 11.8°	19	7	lo;	4		

W/O:	•		WC	ORK ORDER CHANGI	ES		<u> </u>		
DATE	STEP	PRO	OCEDURE CHA	NGE	Ву	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector
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Part No	•	PAR #:	Fault Cate	gory:	NCR: Yes	No DQ	<b>A</b> :	Date: _	
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NCR:			WORK ORDER NON-CONFORMANCE						
DATE	STEP	Description of NC		Corrective Action Section		Verifi	cation		Approval
	0.2.	Section A	Initial Chief Eng	Action Description Chief Eng	Sign of Date		ion C	Chief Eng	QC Inspector
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#### Work Order ID 72930

Page 2

Thursday, August 18, 2011 10:06:34 AM

Item ID:

D3349-3

Accept



Setup Start



**Revision ID:** 

Item Name:

Spacer Bushing

**Start Date:** 

Required Date: 8/22/2011

8/18/2011

**Start Qty: 10.00** 

Req'd Qty: 10.00

Cust Item ID:

**Customer:** 

Reference:

Approvals:

Process Plan:

Date: Tooling:

Date:

Run

Start

Stop



Date: \_\_\_\_\_ SPC (Y/N):

Tool ID

Tool # Plan

Date:

Accept Code Qty

Reject **Qty** 

Reject Insp. Number Stamp

Work Center ID

130

Sequence ID/

Small Fab

Small Fab

Small Fab

Operation

Description

Memo

Deburr

**Run Hours** 

Set Up/

0.00

11/8/18

140

Quality Control

QC5- Inspect part completeness to step on W/O

Memo

0.00

150

Packaging

Packaging

Identify as per dwg & Stock Location:

0.00

Memo

0.00

\*\*\*\*\*STOCK IN BASKET CELL\*\*\*\*\*

		WC	RK ORDER CHANG	BES	<del>,,</del>		<u> </u>		
STEP	PRO	OCEDURE CHA	NGE	1	Зу	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector
		·							
	PAR #:	Fault Cate	gory:	_ NCR:	Yes N	o <b>DQ</b>	<b>A</b> :	_ Date: _	
Re	solution:	Disposition	1:	QA: N	VC Clos	sed:		Date:	
		WORK ORDI	ER NON-CONFORM	ANCE (	NCR)				
STEP	Description of NC							Approval	Approval
	Section A	Chief Eng	Chief Eng	,	Date	Secti	on C	Chief Eng	QC Inspector
	STEP	STEP PRO  :PAR #:  Resolution:	STEP PROCEDURE CHAIN  PAR #: Fault Cate  Resolution: Disposition  WORK ORDI  STEP Description of NC  Section A Initial	WORK ORDER CHANGE  PROCEDURE CHANGE  PROCEDURE CHANGE  Fault Category:  Disposition:  WORK ORDER NON-CONFORM  WORK ORDER NON-CONFORM  STEP  Description of NC Section A  Initial Action Description	WORK ORDER CHANGES  STEP PROCEDURE CHANGE  :PAR #:Fault Category:NCR: Resolution:Disposition:QA: N  WORK ORDER NON-CONFORMANCE (  STEP Description of NC Section A Section B  Section A Initial Action Description (Section B)	WORK ORDER CHANGES  STEP PROCEDURE CHANGE By  :PAR #:Fault Category:NCR: Yes N Resolution:Disposition:QA: N/C Clos  WORK ORDER NON-CONFORMANCE (NCR)  STEP Description of NC	WORK ORDER CHANGES  STEP PROCEDURE CHANGE By Date  :PAR #: Fault Category: NCR: Yes No DQA  Resolution: Disposition: QA: N/C Closed:  WORK ORDER NON-CONFORMANCE (NCR)  STEP Description of NC	STEP PROCEDURE CHANGE By Date Qty	STEP PROCEDURE CHANGE By Date Qty Chief Eng/Proced Mgr.

Work	Ord	ler II	D 7	293	O
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Thursday, August 18, 2011 10:06:34 AM

D3349-3

Page 3

Item ID:

Accept

Setup Start

Stop



**Revision ID:** 

Item Name:

Spacer Bushing

**Start Date:** 

Required Date: 8/22/2011

8/18/2011

QC:

**Start Qty: 10.00** 

Req'd Qty: 10.00



Date: \_\_\_\_\_

**Cust Item ID:** 

**Customer:** 

Reference:

Approvals:

Process Plan:

Date:

QC21- Final Inspection - Work Order Release

Tooling:

SPC (Y/N):

Date: Date:

Run

Start

Stop



Sequence ID/

Work Center ID

Operation Description

0.00

Set Up/ **Run Hours**  Tool ID

Tool # Plan Code Accept Reject Qty

Reject Number

Insp. Stamp

160

QC

Memo

0.00

Qty

Quality Control

W/O:		A delication of the second of	WO	RK ORDER CHANG	ES					
DATE	STEP	PRO	OCEDURE CHAN	Ву	C	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector	
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Part No		PAR #:	Fault Categ	ory:	_ NCR: Ye	s No	DQ/	A:	_ Date: _	· · · · · · · · · · · · · · · · · · ·
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NCR:			WORK ORDE	R NON-CONFORM	ANCE (NO	CR)				
DATE	STEP	Description of NC Corrective Action			ion B		Verific	ation	Approval	Approval
DATE	SIEF	Section A	Initial Chief Eng	Action Description Chief Eng	Sig Da		Section		Chief Eng	QC Inspector
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## **Picklist Print**

Thursday, August 18, 2011 10:06:29 AM

Work Order ID: 72930

Parent Item:

D3349-3

Parent Item Name: Spacer Bushing



Start Date: 8/18/2011

Required Date: 8/22/2011

**Start Qty: 10.00** 

Required Qty: 10.00

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A□05.02.09□New issue□KJ/JLM□

Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Qty per Kit	Total Qty	Qty Issued	Date Issued	Status
M1018R0.375		Purchased	No			100	f	10.0000	0.1333	1.403158		1.6	)
										51	4/8	//7	

1010-1025 round bar .375

Loc Qty Loc Code Location MAT038 10 10

Page 1

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W/O:			W	ORK ORDER CHANGI	ES			,	
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Part No		PAR #:	Fault Cate	gory:	NCR: Yes	No DQ	A:	_ Date: _	
	R	esolution:	Dispositio	n:	QA: N/C CI	osed:		Date: _	
NCR:			WORK ORD	ER NON-CONFORMA	NCE (NCR	)			
DATE	STEP	Description of NC		Corrective Action Section		Verific	ation	Approval	Approval
DAIL	SILF	Section A	Initial Chief Eng	Action Description Chief Eng	Sign & Date	Secti	on C	Chief Eng	QC Inspector
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DART AEROSPACE LTD	Work Order: 1293 C	) ,
Description: Spacer Bushing	Part Number: D3349-	3
Inspection Dwg: D3349 Rev: A	Page 1 o	of 1

	FIRS	T ARTICLE IN	NSPECTI	ON CHE	CKLIST		
	7	First Arti	cle	Prote	otype		
Drawing Dimension	Tolerance	Actual Dimension	Accept	Reject	Method of Inspection		nments
1.500	+/-0.010	1.500		-	31-9		
Ø0.375	+0.000-0.000	0,374	1				
Ø0.257	+0.005/-0.000	0.2585					
			, ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,				
Magazinad kiri		A di4 d 4-	200				
Measured by:	14	Audited by:		4.73	Prototype	Approval:	N/A
Date:	W8/19	Date:	11.8	-19		Date:	N/A
Rev Date A 05.04.26	Change New Issue					Revised by	Approved

		Approved
A 05.04.26 New Issue	KJ/JLM A	Cid

W/O:			V	VORK ORDER CHANG	ES				•
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NCR:				DER NON-CONFORMA					
DATE	STEP	Description of NC		Corrective Action Secti		Verific	cation	Approval	Approval
DATE	SIEP	Section A	Initial Chief Eng	Action Description Chief Eng	Sign Date	& Sect	on C	Chief Eng	QC Inspector
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DESIGN PH	DRAWN BY	DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA			
CHECKED	APPROYED	DRAWING NO. D3349	REV. A SHEET 1 OF 1		
DATE		TITLE	SCALE		
04.11.11		SPACER BUSHING	1:1		
A	04.11.11	NEW ISSUE			

1.750	¥ 72930
	ø0.375
	ø0.257
<u>D3349-1</u>	
	Ø0.375
4.500	
1.500	ø0.257 <u></u>

#### D3349-1/-3 SPACER BUSHING

- 1) MATERIAL: Ø0.375 AISI1018-1025 ROUND BAR (REF DART SPEC. M1018-R0.375)
- 2) FINISH: NONE
- 3) BREAK ALL SHARP EDGES 0.005 TO 0.010
- 4) ALL DIMENSIONS ARE IN INCHES
- 5) TOLERANCES ARE PER DART QSI 018 UNLESS OTHERWISE NOTED

D3349 - 3

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W/O:		WORK ORDER CHANGES								
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L							•			
Part No: PAR #:		_ Fault Category: NCF		_ NCR	CR: Yes No DQA:			_ Date: _		
Resolution:		Disposit	Disposition: QA: N/C Closed:				Date: _			
NCR: WORK ORDER NON-CONFORMANCE (NCR)										
DATE STEP		Description of NC	Description of NC		on B	Verification			Approval	Approval
		Section A	Initial Chief Eng	Action Description Chief Eng		Sign & Date	Section C		Chief Eng	QC Inspector
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